

Patent Abstracts of Japan

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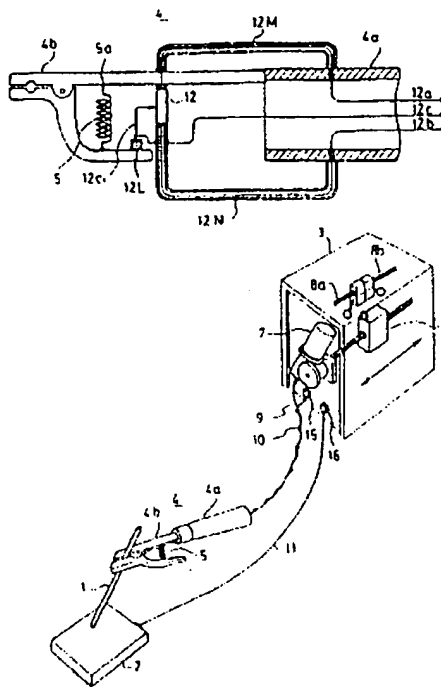
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TITLE : AUTOMATIC SETTING METHOD OF WELDING CONDITION FOR COVERED ELECTRODE



ABSTRACT : PURPOSE: To execute a stable welding by a worker, and to improve the work efficiency by sending a diameter of a covered electrode clamped by a detecting means of an electrode holder, to a welding machine by an electric signal, and setting automatically the welding machine to a correct welding condition.

CONSTITUTION: A potentiometer 12 of a spring 5 clamp type electrode holder 4 converts a diameter of the time when it holds a covered electrode 1, to a potential difference signal of the potentiometer 12 and sends it to a sequence circuit of a welding machine 3 by lead wires 12a~12c. The sequence circuit moves a movable iron core 6 by operating a motor 7, and selects automatically a welding current corresponding to the diameter of the electrode 1. It is unnecessary for a worker to go to the welding machine 3 in order to set a welding current, also a wrong selection is prevented, and a stable welding is executed with a high efficiency.

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